

TABLE 1				
CATCH BASIN DIAMETER "D"	"A"	"B"	CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED *	
4'-0"	5"	6"	0.12 SQ. IN./LINEAL FT.	
5'-0"	6"	7"	0.15 SQ. IN./LINEAL FT.	
6'-0"	7"	8"	0.18 SQ. IN./LINEAL FT.	

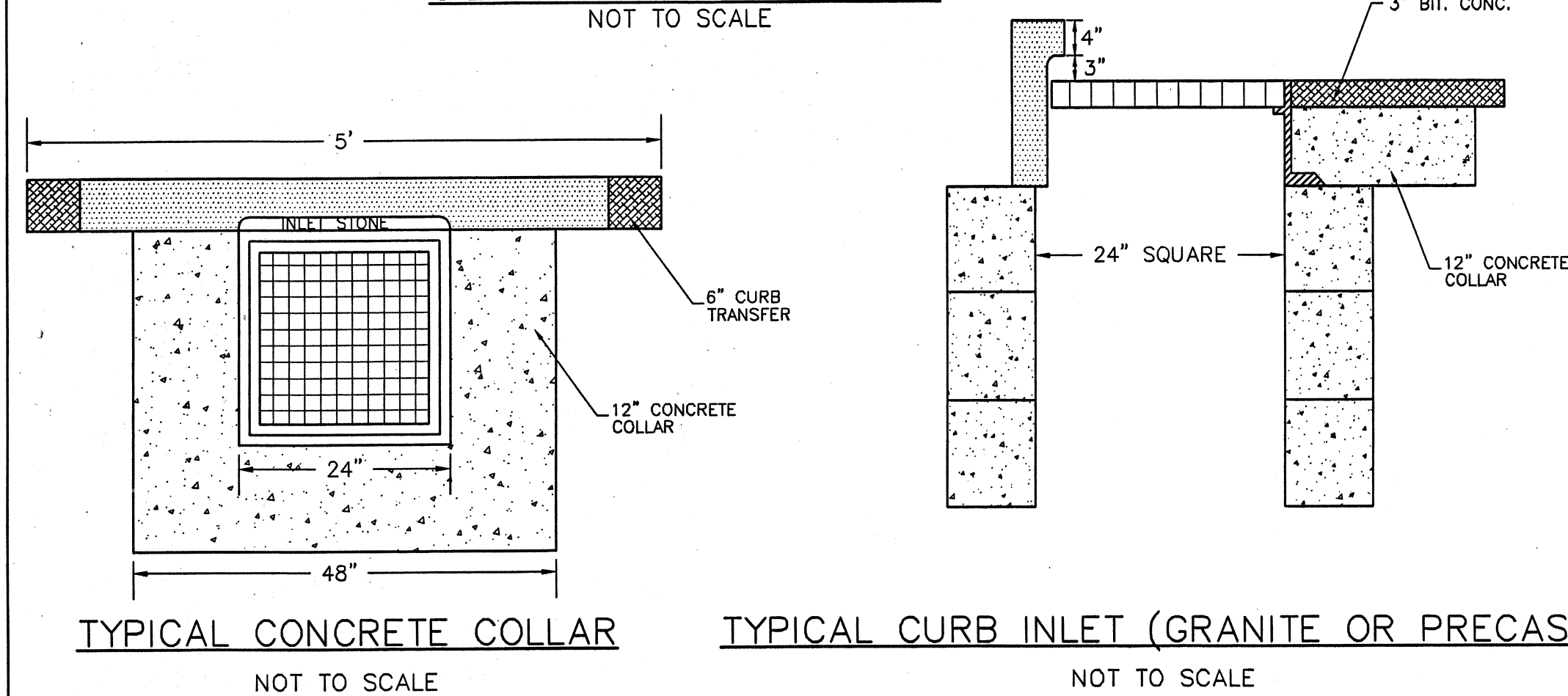
* FOR LONGITUDINAL (VERTICAL) STANDING REINFORCEMENT REFER TO ASTM C478 ITEM 8.1.2

GENERAL NOTES:

- ALL REINFORCING STEEL MUST CONFORM TO THE LATEST ASTM A185 AND/OR A615 GRADE 60. SEE TABLE 1 FOR STEEL REINFORCEMENT REQUIREMENT.
- STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MIN. OF 0.12 SQ. IN./LINEAL FT. (BOTH WAYS)
- CATCH BASIN SPECS. CONFORM TO THE LATEST ASTM C478 SPEC. FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS" WITH THE EXCEPTION OF PORTLAND CEMENT CONCRETE MIX DESIGN AND MATERIALS REQUIREMENTS, WHICH SHALL CONFORM WITH SECTION 900 OF THE M.H.D. STANDARD SPECS. ALL PORTLAND CEMENT CONCRETE SHALL BE CLASS 3000 PSI, 3/4" AGGREGATE, TYPE II.
- MORTAR SHALL CONFORM TO SECTION M4.02.15 OF THE M.H.D. STANDARD SPECS. FOR HIGHWAYS AND BRIDGES.
- STEPS (NONE)
- ONE POUR MONOLITHIC BASE SECTION.
- ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS, CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
- RED CLAY BRICK SHALL CONFORM WITH RIDOT STANDARD SPECS FOR HIGHWAY AND BRIDGES.
- A 4 FLANGE SQUARE CB FRAME AND GRATE OR SOLID DMH COVER IS REQUIRED.
- CATCH BASINS 5A, 5B, 20A & 20B WILL HAVE 5' SUMPS.

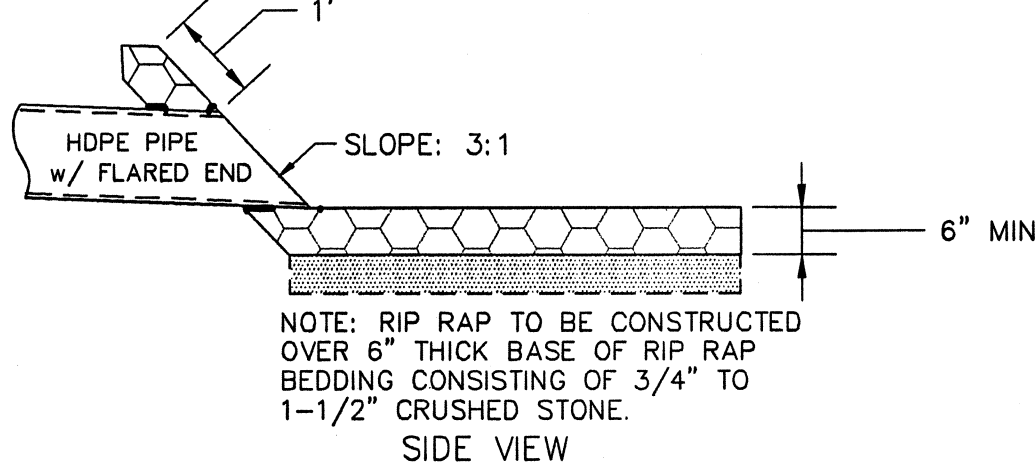
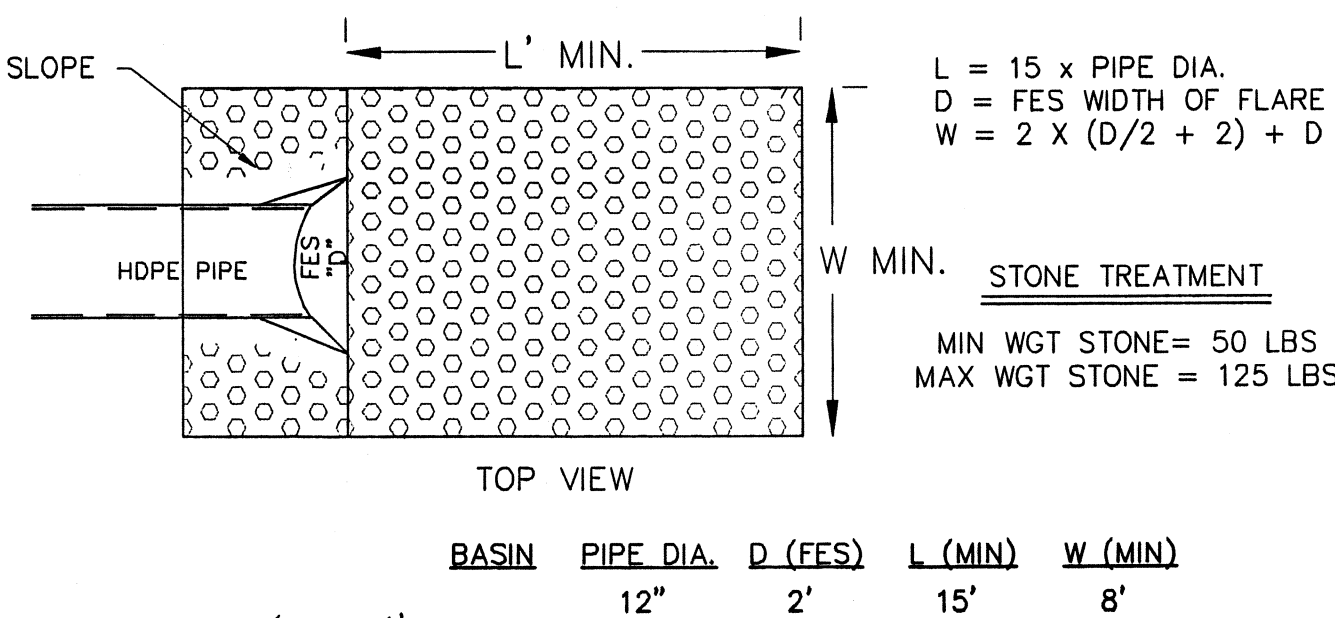
PRECAST CONCRETE CB / DMH WITH OIL AND GRIT SEPARATOR

NOT TO SCALE



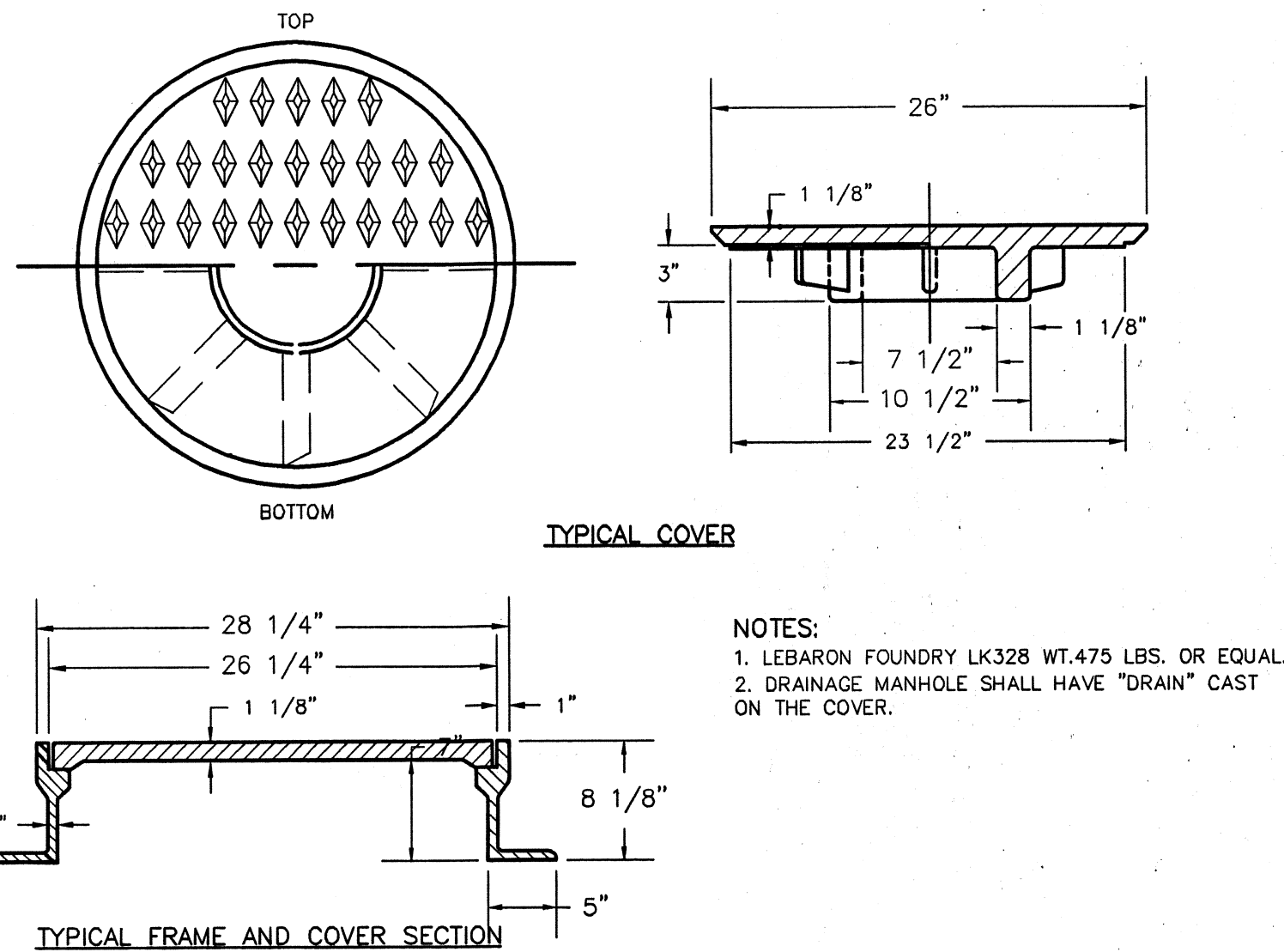
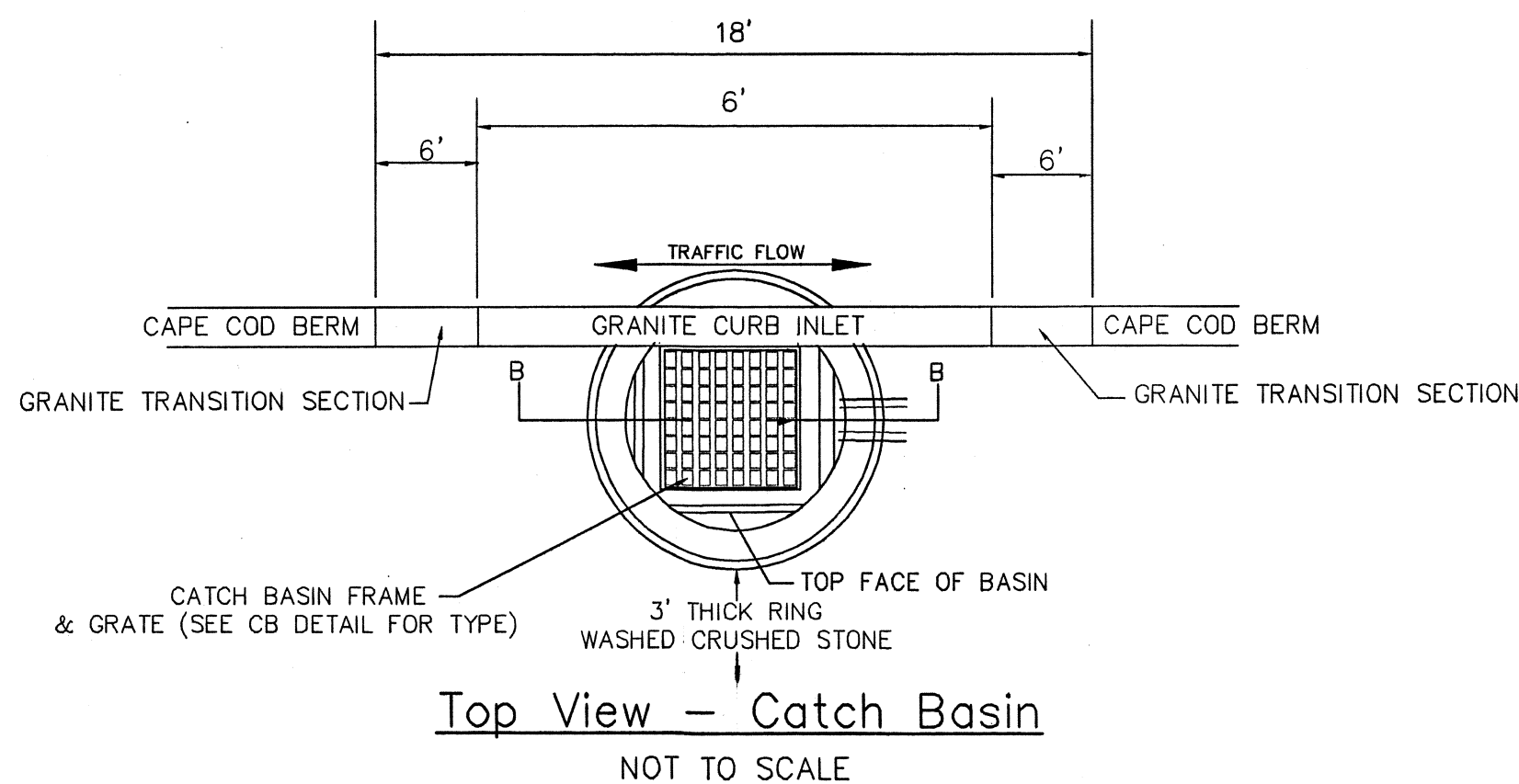
PRECAST CONCRETE MANHOLE - 4', 5, 6' DIAMETER

NOT TO SCALE



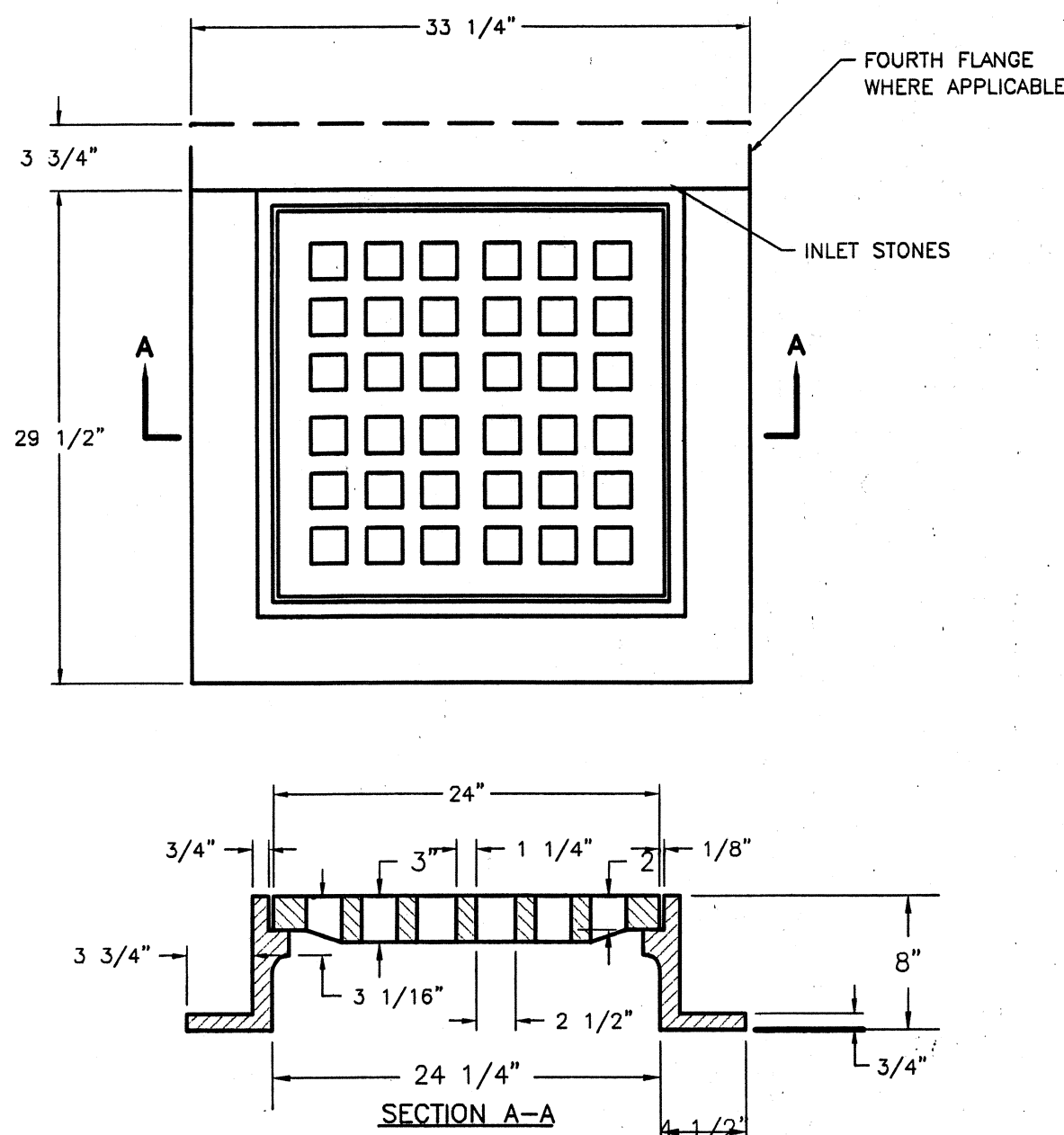
TYPICAL RIP RAP DETAIL

NOT TO SCALE



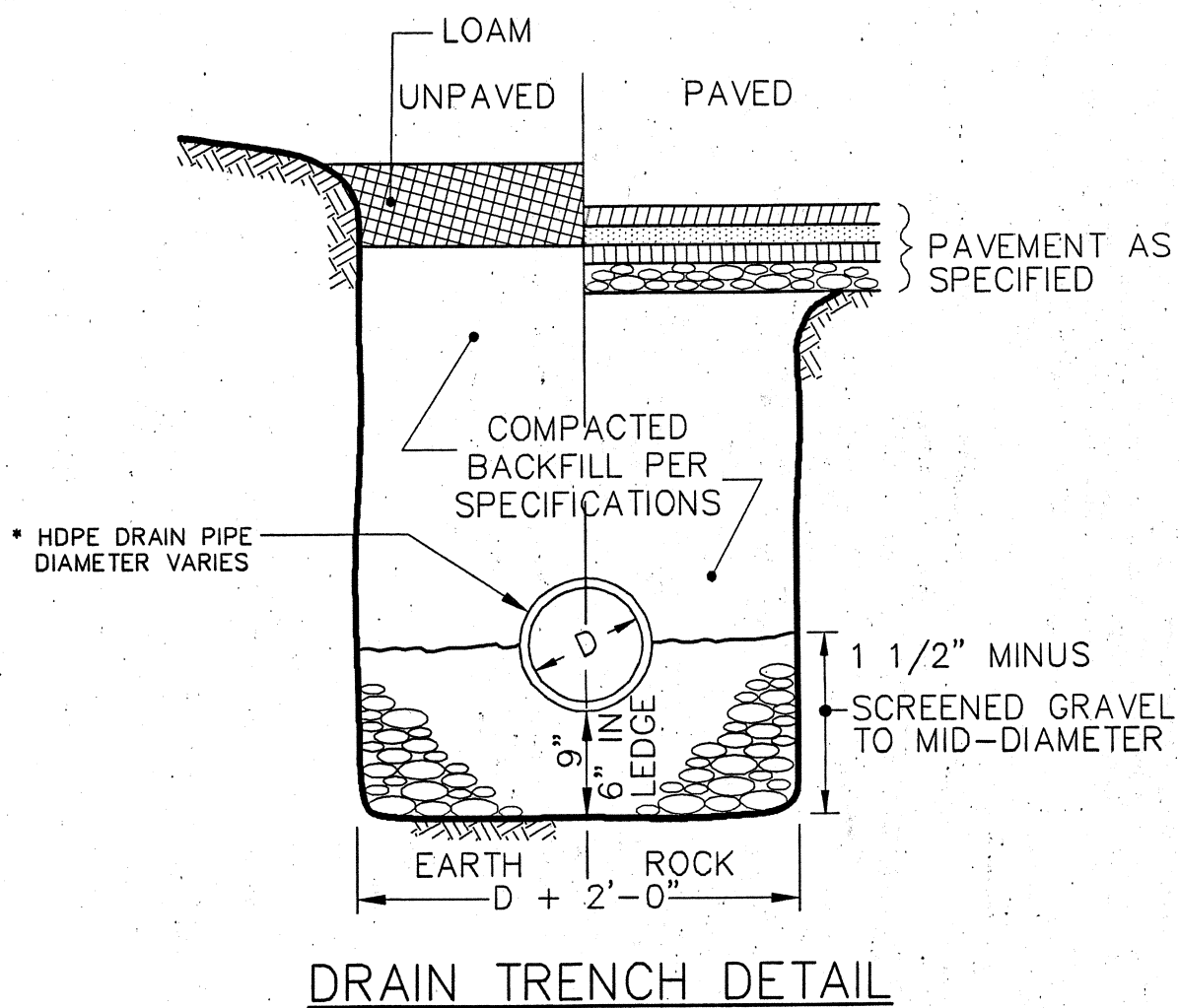
ROUND MANHOLE FRAME AND COVER (HEAVY DUTY)

NOT TO SCALE



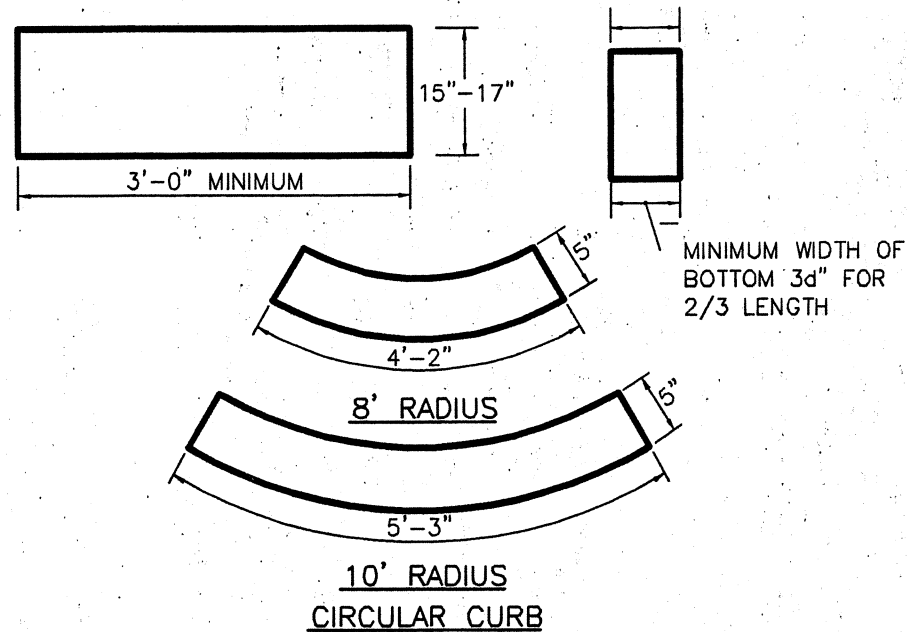
SQUARE CATCH BASIN FRAME & GRATE

NOT TO SCALE



INSTALLATION NOTES FOR HDPE DRAIN PIPE

- HDPE PIPE WITH PROPER BEDDING MEETS H-25 LOADING REQUIREMENTS WITH 1' OF COVER PER MANUFACTURERS SPECIFICATIONS. (WAIVER REQUESTED FROM 2'-9" MIN. COVER). *
- PROPER PRECAUTIONS MUST BE TAKEN FOR CONSTRUCTION LOADING HEAVIER THAN H-25.
- INSTALLATION OF HDPE PIPE TO FOLLOW MANUFACTURERS SPECIFICATIONS AND INCLUDES:
 - BEDDING TO BE CLASS A OR B
 - BACKFILL TO BE CLASS 1A, 1B OR II PER ASTM-D2321
 - BACKFILL TO BE PLACED IN 6-INCH LIFTS AND COMPACTED TO A MINIMUM 90% DENSITY PER AASHTO T-99
 - BACKFILL MATERIALS SHALL BE CAREFULLY COMPACTED USING "WALK BEHIND" COMPACTION EQUIPMENT



- NOTES:
- MAXIMUM LENGTHS USING 8' & 10' RADI, WITH 90° ANGLE, ARE 4'-2" AND 5'-3" RESPECTIVELY.
 - MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PIECES TO BE 3'-0".
 - TOP SURFACE TO BE DRESSED BY SAW.
 - CIRCULAR CURB IS REQUIRED ON CURVES WITH RADI OF 100' OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 100' RADIUS.

GRANITE CURB

NOT TO SCALE

Seekonk Planning Board

Approval Under Subdivision Control Law

CLERK _____ DATE _____

Construction Details
"Banna Estates"
 AP 20 LOTS 470/605 AP 19 LOT 539
 APPLICANT
Fall River Avenue Development Partners, LLC
 Steven Najas, Managing Member
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69-631

INSITE
 Engineering Services, LLC

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DATE: AUGUST 2, 2007
 DATE: OCTOBER 25, 2007 (NOI)
 REVISED: FEBRUARY 27, 2008 (NOI)